

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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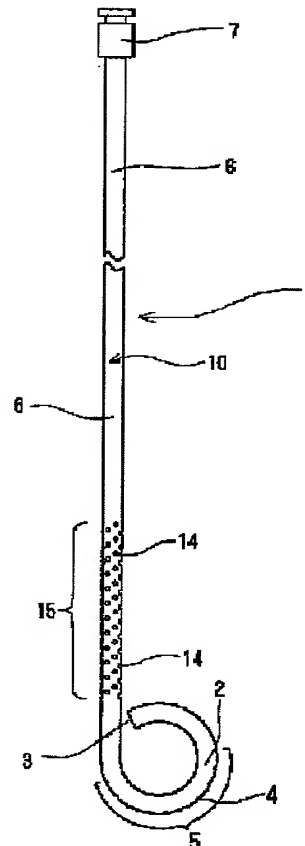
APPLICATION DATE : 30-03-98  
APPLICATION NUMBER : 10104127

APPLICANT : TERUMO CORP;

INVENTOR : KINOSHITA YASUSHI;

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TITLE : CATHETER FOR CONTRAST IMAGE  
MAKING



**ABSTRACT :** PROBLEM TO BE SOLVED: To provide a catheter for contrast image making that enables a contrast image making thoroughly around the part of a heart exterior to its curved deformed part and has extremely little risk of a kink when the curved deformed part inserted into the heart comes into contact with the inside wall of the heart.

**SOLUTION:** The catheter 1 for contrast image making consists of a lumen and catheter tube 10 that has opening 3 which is connected with the lumen at the top end. The catheter tube 10 consists of winded and deformed part 2 made at the top end of the catheter tube 10 and part 5 of side holes where many micro-size of side holes 4 that connects with the lumen are made. The whole area of all the side holes 4 should be less than 10 percent to the cross sectional area toward the direction of the axis of the part 5.

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